

RL4502/09 transmitter Pro RL4000 DP Series

Part of the Hanwell Pro RL4000DP Series, the RL4502 (no display) / RL4509 (LCD display) differential pressure transmitters with 434.075MHz frequency as standard.

Features

- ✓ Wireless data transfer
- \checkmark High performance technology with accurate sensors
- ✓ User accessible battery and USB socket
- ✓ Up to 2 years battery life
- ✓ Low power radio for long distance transmission
- ✓ Complies with RoHS, EU and WEEE directives
- ✓ Carries CE Marking

Typical Applications

- Filter monitoring
- Air ventilation systems

Always ask for a long-range signal strength test.



We can prove ours to be unrivalled.

Instrumentation specification

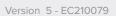
Dimension (Excl. ancillaries)	110 x 80 x 35mm
Weight	200 grams
Power supply	1 x 3.6V AA Lithium battery
Battery life	Up to 2 years (dependent on conditions of use and instrument settings)
Case material	ABS & PC
IP Rating	IP30
Instrument operating range	0°C to +50°C in a non-condensing RH environment
Storage temperature	-40°C to +60°C
Memory:	100000 readings

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Photo shows: RL4502-457.600 (left), RL4509-457.600 (right) (other frequencies are available)

Radio transmitter functi	ons
Frequency options	A range of frequencies are available between 433-458MHz. Country specific regulations apply.
Radio power	10mW
Radio range	3km over open ground
Software required	W900 – Standard EMS Software Package W906 – Validated EMS Software Package *See EMS datasheet for further options
Software compatibility	RL4502 and RL4509: *EMS - All Versions Synergy - All Versions RadioLog8 *IMPORTANT: Customers with EMS Version 1.0.8 should contact Hanwell Technical Support
	(support.hanwell@ellab.com) for advice before buying and ask them for the Management Tools DP and Digital Patch for EMS patch.
Hardware required	CR2 / CR3 – Controller SR2 – Smart Receiver REP – Repeater

Manufactured by Ellab Monitoring Solutions



CA RoHS



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Sensor (supplied with unit)

Product codes	
RL4502	+/-1250Pa
RL4509	+/-50Pa
Y119	Wall mounting bracket
Y055	USB communications lead
P106	Differential Pressure port mounting plate

Internal pressure sensor	Miniature silicon sensor
For Part Code	RL4502
Probe operating range	+/- 1250 Pa (restricted by instrument operating range)
Accuracy (offset and linearity)	+/- 6.75 Pa in temperature compensated range 10°C and 30°C
Resolution	+/- 0.4 Pa
Pressure Connector	2 x 3.2mm outside diameter, 1.6mm inside diameter tube, 2m long
Long term drift	+/- 5Pa per year

Note: Units purchased from July 2017 are not suitable for use with RadioLog. Specification applies to units supplied August 2017 onwards.

Internal pressure sensor	Miniature silicon sensor
For Part Code	RL4509
Probe operating range	+/- 50 Pa (restricted by instrument operating range)
Accuracy (offset and linearity)	+/- 1.5 Pa in temperature compensated range 10°C and 30°C
Resolution	+/- 0.4 Pa
Pressure Connector	2 x 3.2mm outside diameter, 1.6mm inside diameter tube, 2m long
Long term drift	+/- 1 Pa per year

Note: Units purchased from July 2017 are not suitable for use with RadioLog. Specification applies to units supplied August 2017 onwards.

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Version 5 - EC210079

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